Z-R0

KIDZ N BRAINZ

DATE

Abacus competition Model paper -1

WITH ABACUS

ADDITION AND SUBTRACTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	2	1	3	4	5	6	7	1	7	11	22	10	14	33	54	74
1	2	2	1	-2	-5	1	2	7	2	1	2	4	-2	5	-2	-4
1	-2	-2	-2	-1	5	-2	-6	-5	-6	2	-1	-2	-2	-2	-1	3
1	1	2	1	3	-5	3	1	-2	5	-1	-1	2	2	1	3	-2

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
12	11	20	20	22	25	12	44	29	16	85	43	99				
2	8	9	-10	-21	-15	11	-31	-10	11	11	-11	-22	11	28	32	43
-4	-1	-7	5	3	6	-1	5	-8	2	-1	7	-2	20	-25	-31	-21
1	-2	1	4	5	1	2	-8	-1	-7	-5	-6	1	5	-2	7	2

35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
44	22	18	12	79	17	50	22	33	51	15	38	48	21	69	88
50	12	10	11	10	22	10	10	15	25	54	-23	-28	28	-17	-11
5	-1	-3	6	-8	-9	9	-1	-7	-5	-8	4	6	-3	2	1

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KIDZ N BRAINZ

DATE

Abacus competition Model paper -2

WITH ABACUS

ADDITION AND SUBTRACTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	1	2	1	1	4	5	2	1	1	12	11	15	15	16	12	20
1	2	1	1	1	-1	2	5	7	8	2	3	4	-5	3	5	5
1	-2	1	2	1	-2	-2	2	1	-6	5	5	-8	2	-1	-7	4
-1	2	-2	-3	-3	3	1	-6	-6	5	-6	-4	7	6	-1	5	-8

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
22	15	28	25	30	33	31	55	35	29	11	39	35				
-2	1	-5	22	-20	-13	18	33	10	-16	37	-13	14	50	22	50	43
3	2	-3	1	5	5	-7	1	-5	1	-5	2	-6	32	15	10	-21
5	-6	7	-3	4	2	-2	-9	9	5	-2	-3	-1	2	-5	2	6

35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
44	33	51	15	38	48	33	22	40	54	53	22	16	45	22	18
50	15	25	54	-23	-28	56	11	-10	-12	16	12	51	53	12	50
-4	-6	-5	-9	3	7	-4	-1	5	7	-8	5	2	1	-2	1

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KIDZ N BRAINZ

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Abacus competition Model paper -3

WITH ABACUS

ADDITION AND SUBTRACTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	3	2	2	3	1	9	5	4	7	17	63	66	60	72	79	22
1	1	2	1	5	7	-7	3	5	2	1	1	-5	4	1	-4	6
-1	-2	-3	5	-6	-3	6	-8	-9	-6	1	5	2	-2	5	-5	-8
1	1	1	-2	5	1	-5	6	6	5	-9	-8	1	5	-6	1	7

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
71	79	78	25	30	33	31	55	99	90	43	97					
8	-9	-3	22	-20	-13	18	33	-18	-40	51	-95	66	62	54	64	62
-6	5	1	1	5	5	-7	1	6	5	5	6	22	15	15	-12	-10
5	4	1	-3	4	2	-2	-9	-7	3	-7	-3	-7	2	-5	1	2

35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
81	11	64	78	89	78	89	33	94	38	54	66	12	86	97	22
-16	88	-54	-13	-34	-22	-39	51	-72	11	35	33	16	-61	-61	66
7	-6	9	1	3	1	5	-2	7	-7	-9	-7	1	4	2	-6

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Abacus competition Model paper -4

WITH ABACUS

ADDITION AND SUBTRACTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	1	4	2	5	3	9	5	4	9	55	35	55	50	18	78	63
-1	3	-2	5	4	6	-4	3	5	-5	4	4	4	5	-6	-5	1
1	-2	1	-2	-6	-6	-5	-8	-9	-2	-1	-1	-7	4	2	5	5
-1	-1	1	1	1	5	8	6	6	7	-3	-5	-2	-7	5	-2	-4

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
85	25	22	15	64	29	97	55	83	57	67	96	25				
3	4	6	50	-13	-14	-72	44	-51	-52	12	-85	73	10	20	30	40
-1	-5	1	2	5	3	-5	-2	2	3	-3	8	-5	12	13	10	2
-7	-1	-1	-6	-6	1	9	1	-1	-2	2	-3	-2	1	1	2	7

35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
32	11	13	24	31	42	34	62	33	51	22	23	52	32	44	11
16	55	11	-13	11	51	-12	21	11	42	22	21	31	-20	-32	77
-5	2	-1	2	-2	-3	1	1	-3	-1	-2	-4	-2	1	2	-3

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Abacus competition Model paper -5

WITH ABACUS

ADDITION AND SUBTRACTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3	4	4	1	2	4	6	6	2	3	12	24	13	15	67	72	55
-2	-2	-4	1	-2	5	-5	1	6	6	2	-2	-1	4	2	7	-5
3	2	4	-1	2	-1	-1	-2	-2	-3	5	5	6	-6	-2	-5	4
-1	-3	-4	3	1	1	4	3	1	1	-6	-2	-8	-3	-5	-4	-3

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
33	52	26	55	12	12	15	33	55	36	12	28	99				
1	5	1	22	32	52	34	55	44	13	26	-17	-33	64	99	90	91
5	2	2	-6	-4	5	-1	-8	-1	-5	-5	2	1	-52	-22	-30	-41
-9	-3	-8	7	9	-6	-3	2	-6	-2	2	6	2	5	-7	5	5

35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
12	69	88	44	89	63	55	45	76	83	72	61	70	13	69	12
61	-18	11	-44	-26	-52	33	-20	21	-51	17	28	23	75	-14	81
5	-1	-9	5	-3	2	-1	2	-5	5	-6	-5	-3	-1	2	5

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Abacus competition Model paper -6

WITH ABACUS

ADDITION AND SUBTRACTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	2	1	2	5	6	1	1	3	4	21	74	40	28	60	86	55
7	7	6	6	2	2	7	7	6	5	2	5	9	1	8	1	4
-5	-2	-7	-5	2	1	1	-3	-6	-3	-3	-8	-4	-1	-2	-2	-7
-2	-6	5	1	-6	-3	-6	1	5	2	4	1	-5	-6	-6	1	-2

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
80	70	90	71	65	49	55	78	31	88	56	76	37				
6	9	7	17	-15	-21	14	-23	18	-38	-51	-25	-12	38	29	49	53
3	-7	-2	-6	8	-1	-2	1	-7	3	3	2	-5	11	70	-27	12
-6	5	3	2	-7	-1	-2	3	5	5	-2	1	5	-5	-5	1	-2

35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
95	36	59	78	88	99	92	77	40	53	42	36	63	83	74	58
-70	60	30	20	10	-60	-41	22	58	40	52	10	21	15	15	-57
1	-5	-2	-8	-6	-3	2	-4	-7	-2	-2	-1	-1	-3	-2	5

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Abacus competition Model paper -7

WITH ABACUS

ADDITION AND SUBTRACTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
5	6	7	6	3	3	4	7	3	5	11	32	84	77	22	74	66
3	3	2	2	6	5	5	1	5	2	8	6	-2	-7	5	5	3
-5	-7	-5	-5	-7	-6	-7	-5	-7	-6	-7	1	7	9	-6	-9	-2
6	6	-2	6	-2	7	6	6	-1	7	2	-5	-5	-1	2	7	-2

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
51	38	79	53	86	99	27	52	38	66	55	87	95				
5	1	-8	15	13	-44	22	21	11	33	44	-10	-30	55	62	72	53
-6	-7	6	-7	-8	-5	-6	6	-9	-2	-2	-2	-5	33	17	16	11
7	2	1	6	5	7	-1	-5	7	1	-6	1	6	-8	-1	-1	-2

35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
89	94	44	98	94	56	79	33	99	83	25	44	77	22	70	55
-16	-32	-24	-23	-32	33	20	55	-44	16	74	5	-16	25	22	30
1	5	5	1	5	-1	-5	-2	2	-6	-9	-7	8	-7	5	-5

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Abacus competition Model paper -8

WITH ABACUS

ADDITION AND SUBTRACTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3	1	2	2	4	8	1	9	9	4	14	28	39	55	61	23	31
-3	1	1	1	-3	-6	8	-7	-4	5	-1	-1	-5	3	8	-3	1
2	2	-2	-3	1	7	-6	6	-5	-8	6	1	-4	1	-8	2	2
2	-3	3	1	2	-1	5	-5	8	-1	-9	-5	8	-8	3	7	5

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
11	32	84	77	22	74	66	55	87	95	88	31	24				
8	6	-2	-7	55	15	13	44	-22	-40	-26	18	55	27	52	38	66
-7	1	7	9	-6	-9	-2	-2	-5	2	7	-7	-1	52	36	11	33
2	-6	-5	-1	2	7	-2	-6	6	2	-1	5	-6	-6	1	-9	-2

35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
25	44	77	22	70	55	55	62	96	53	51	38	79	53	86	99
74	55	-16	25	22	30	13	27	-46	11	15	51	-18	15	13	-44
-9	-7	8	-7	5	4	-8	-5	6	5	-6	-7	6	-7	-8	5

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Abacus competition Model paper -9

WITH ABACUS

ADDITION AND SUBTRACTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
8	1	9	5	5	9	9	1	9	8	12	11	15	15	16	12	33
-5	8	-3	3	4	-8	-9	8	-8	-3	2	3	4	-5	3	5	5
-3	-7	2	-8	-9	7	8	-7	6	-5	5	5	-8	2	-1	-7	-2
9	2	1	6	6	-6	-6	6	2	6	-6	-4	7	6	-1	5	1

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
11	22	10	25	30	33	31	55	25	30	33	31	55				
1	2	4	22	-20	-13	18	33	11	-20	-23	17	22	50	22	50	43
2	-1	-2	1	5	5	-7	1	1	5	5	-7	1	32	15	10	-21
-1	-1	2	-3	4	2	-2	-9	-2	4	4	-2	-9	2	-5	2	6

35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
81	11	64	78	89	78	34	62	33	51	22	89	33	94	38	54
-16	88	-4	-13	-34	-22	-12	21	11	42	22	-39	51	-72	11	35
7	-6	9	2	3	1	1	1	-3	-1	-2	5	-2	7	-7	-9